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TITLE: SHARED MEMORY SYSTEM
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ABSTRACT:

PROBLEM TO BE SOLVED: To make a shared object referrable and changeable without constituting any transaction.

SOLUTION: When an object is shared among a plurality of computers 21-23, shared memory areas 24 and 25 which hold the copy of the shared object are prepared on each computer and a manager process transfers data among the computers one page by one page at fixed timing. In order to make the transferring directions of the data uniform and to eliminate the contradiction among the data by writing contention, only the process on the computer of one shared memory area is allowed to write the data in the shared memory area. When a duplex computer system is used, synchronization is established by updating information or, when necessary, copying the information

among the
shared memory areas of the systems.

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